



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Confirmation No. 2757

INAGAKI et al.

Art Unit: 3683

Serial Number: 10/715,128

Examiner: D. Butler

Filed: November 18, 2003

Attorney Dkt. No.: 107348-00387

For: ANTILOCK BRAKE CONTROL SYSTEM FOR VEHICLE

AMENDMENT UNDER 37 C.F.R. § 1.121

Director to the U.S. PTO
P.O. Box 1450
Alexandria, VA 22313-1450

November 18, 2004

Sir:

In response to the *Ex parte Quayle* Office Action dated June 22, 2004, please
amend the above-identified application as follows:

Entry
Approved
1/24/2005

AMENDMENTS TO THE ABSTRACT OF THE DISCLOSURE

An antilock brake control system for a vehicle ~~includes~~ including normally-opened solenoid valves, ~~[[and]]~~ normally-closed solenoid valves, and diodes ~~each capable of exhibiting a function of slowly decreasing an electric current supplied to a coil of each of the normally-opened solenoid valves when the supply of the electric current to the coil has been cut off.~~ Each of the normally-opened solenoid valves ~~is controlled so that it is~~ switched over among a turned-on state in which a predetermined first electric current is permitted to flow through the coil, a turned-off state in which the supply of the electric current to the coil is topped, and a middle state in which a second electric current lower than the first electric current is permitted to flow. In ~~this antilock brake control system~~ addition, the system includes a switch ~~means is mounted between the diode and a current supply control means or between the diode and an earth, and controlled so that it~~ that is maintained in an electrically disconnecting state during shifting of each of the normally-opened solenoid valves from the turned-on state to the middle state, until the shifting is completed. ~~Thus, it is possible to enhance the responsiveness during shifting of each of the normally-opened solenoid valves from the turned-on state to the middle state.~~